

CCA GCA ACC AAT GAT GCC CGT T-TAMRA-3'
CA GCA ACC AAT GAT GCC CGT T-TAMRA-3'

CCA GCA AGC ACT GAT GCC TGT T-TAMRA-3'
CA GCA AGC ACT GAT GCC TGT T-TAMRA-3'

Fig. 1A

Fluorescent Dyes

	<u>Absorbance Maxima</u>	<u>Emission Maxima</u>
Fluorescein	494nm	525nm
Tetrachloro fluorescein	521nm	536nm
TAMRA	565nm	580nm

Fig. 1B

Cleaved Fragments:

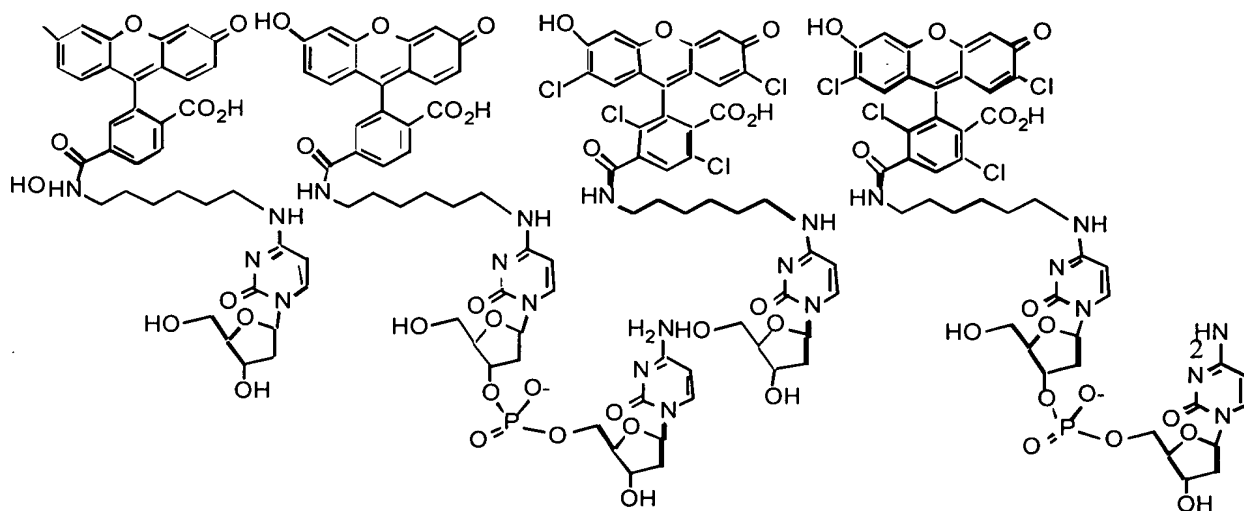


Fig. 1C

Patented September 25, 1968

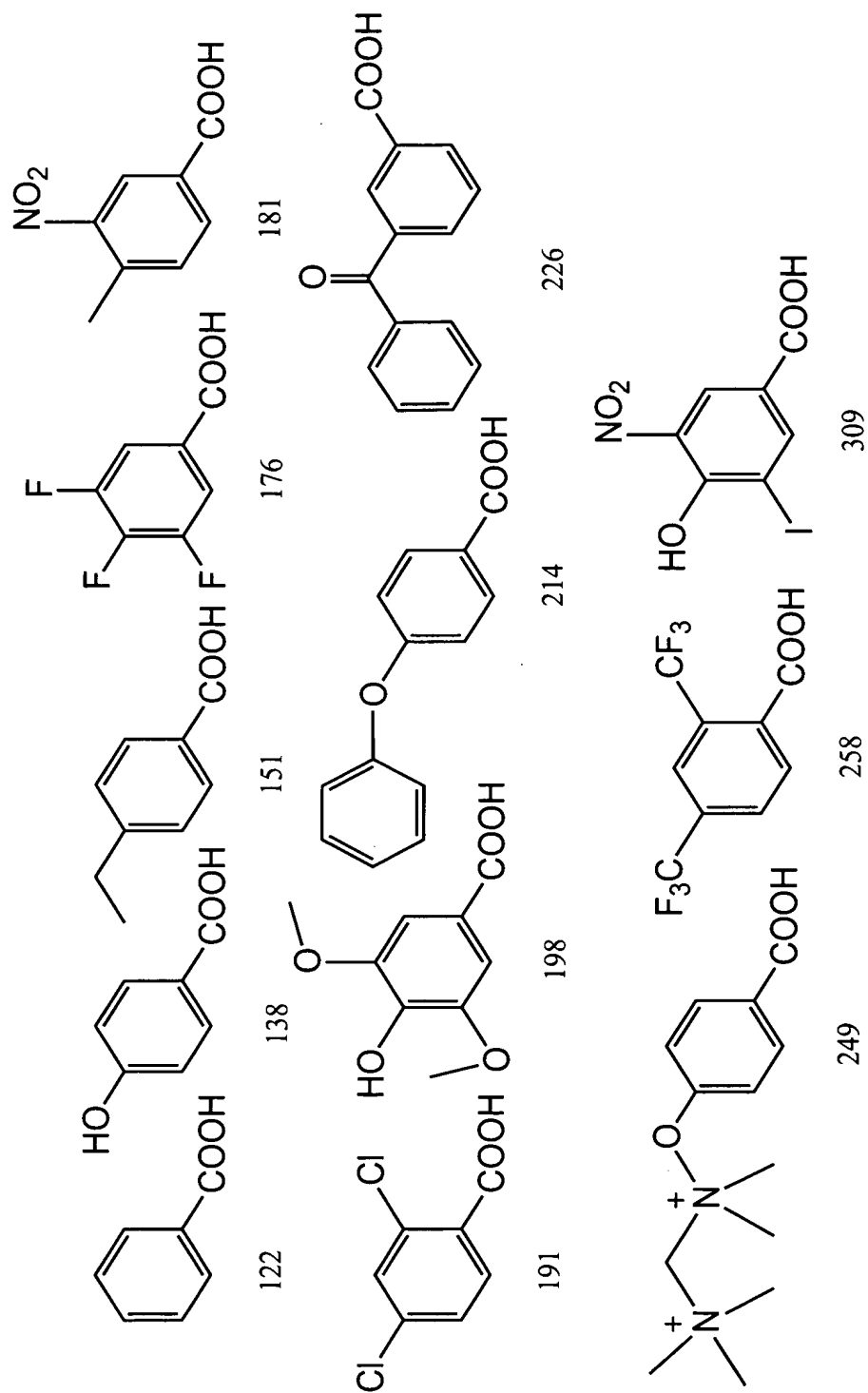


Fig. 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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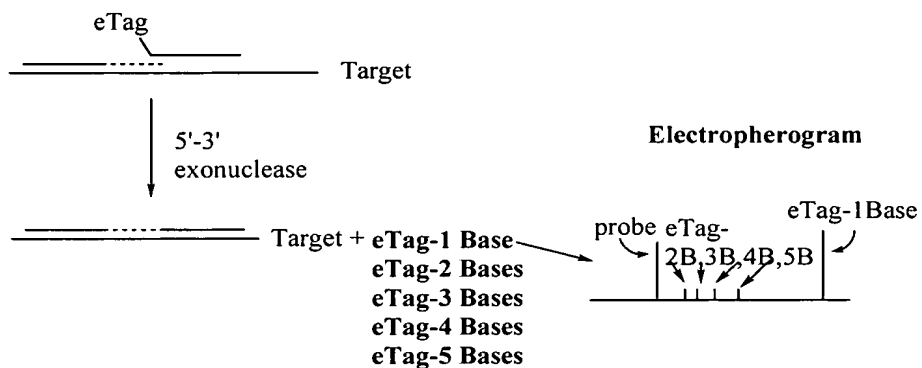


Fig. 3A

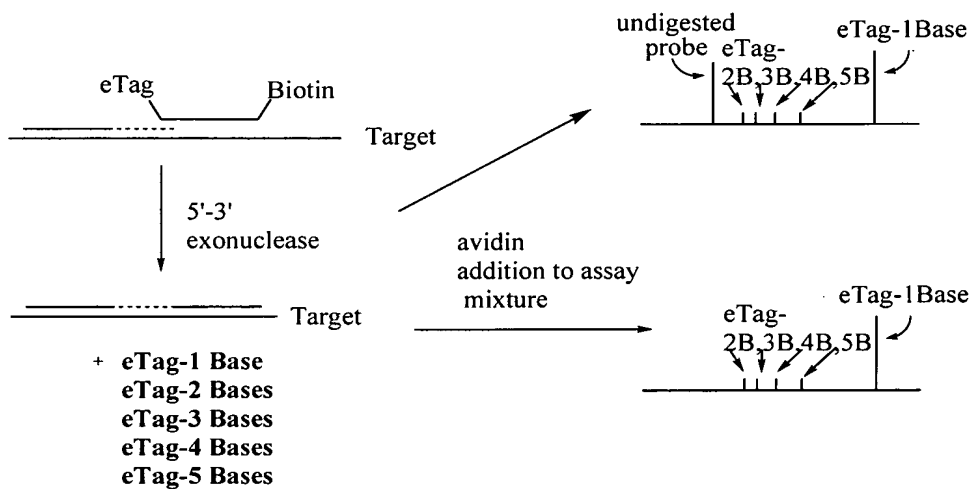


Fig. 3B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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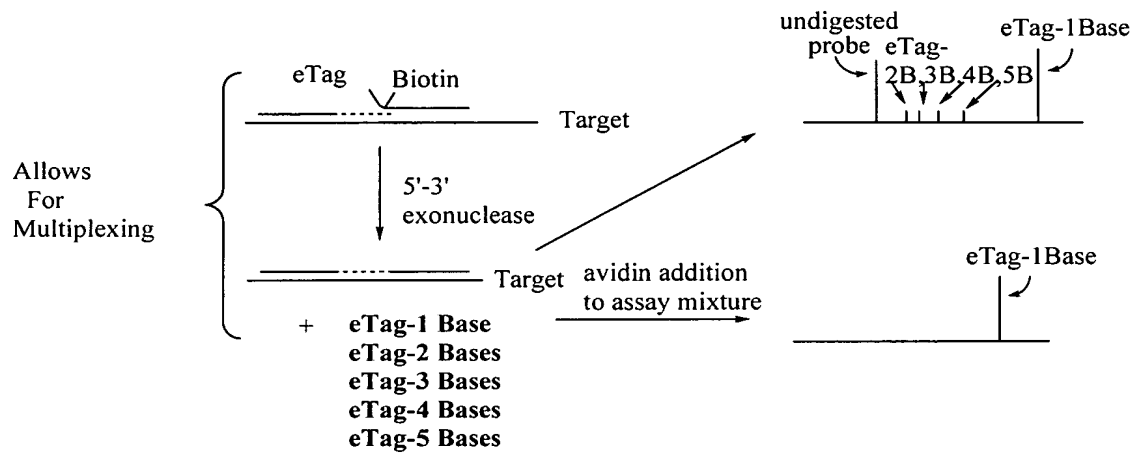


Fig. 3C

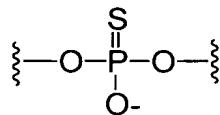


Fig. 3D

APPROVED	O.G. FIG.	
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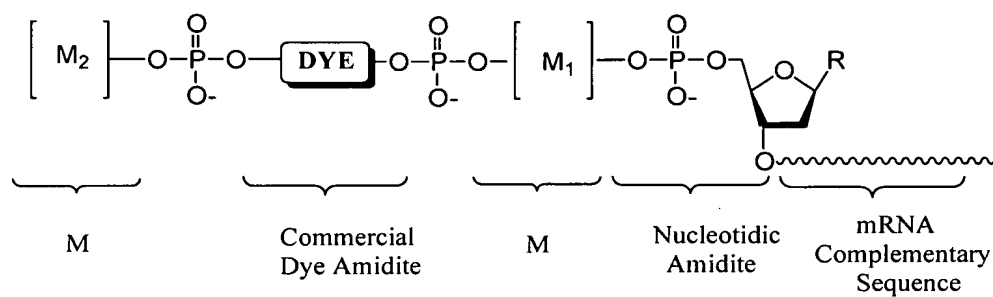


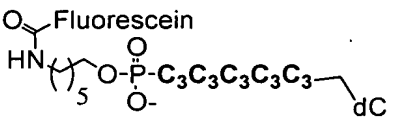
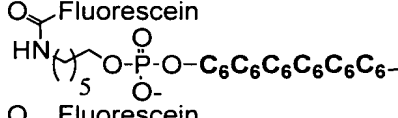
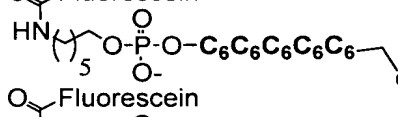
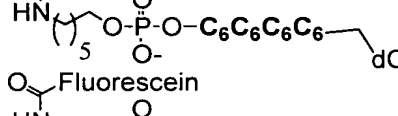
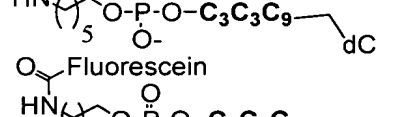
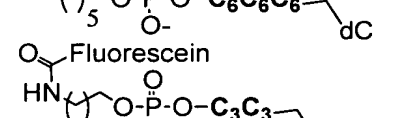
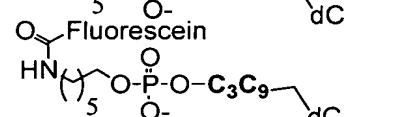
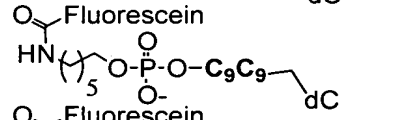
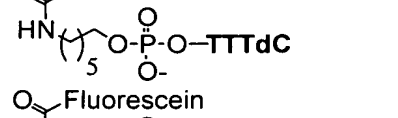
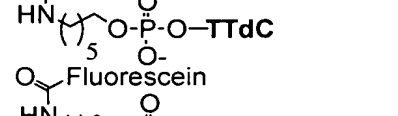
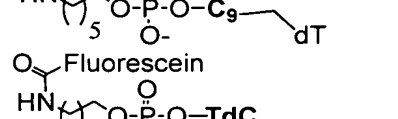
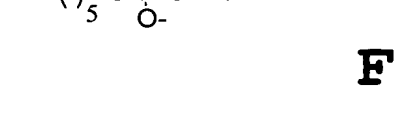

Fig. 4

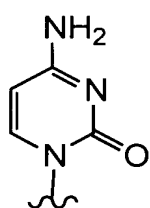
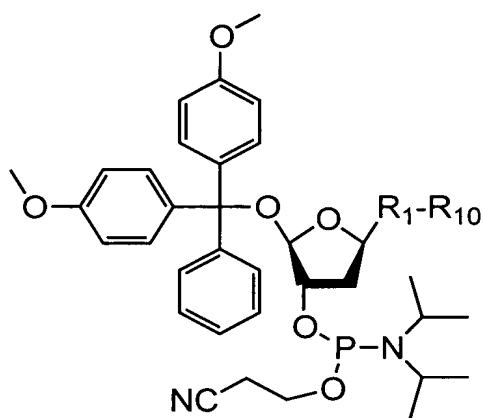
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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<u>e-tag Reporter</u>	<u>Elution Time on CE, min</u>	<u>Mass</u>
	6.4	778
	7.1	925
	7.3	901
	7.7	994
	8.0	985
	9.25	961

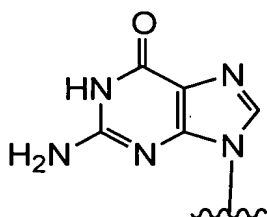
Fig. 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

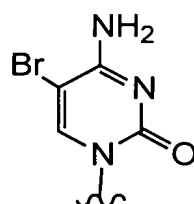
e-tag Reporter	Charge	Elution Time, min
	-8	12.1*
	-9	12.7
	-8	12.8
	-7	13.1
	-6	13.0
	-6	13.4
	-5	12.8*
	-5	13.2*
	-5	14.8
	-6	17.3
	-5	17.0
	-4	15.2*
	-4	16.5



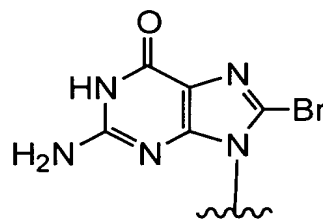
227



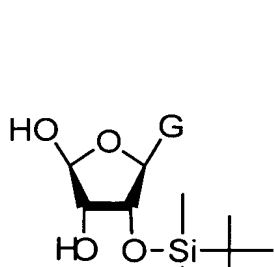
267



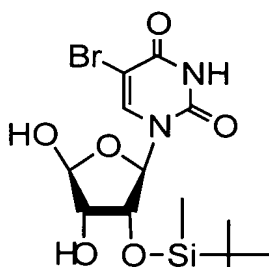
306



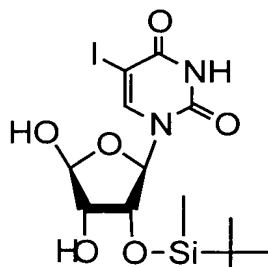
346



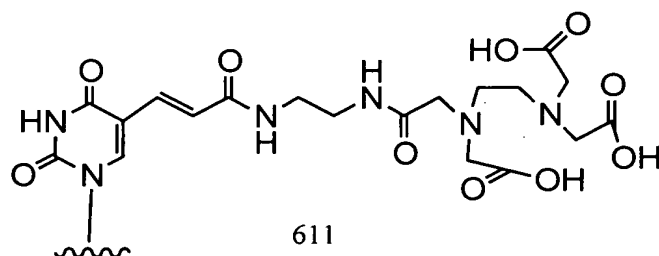
396



436



484



611

Fig. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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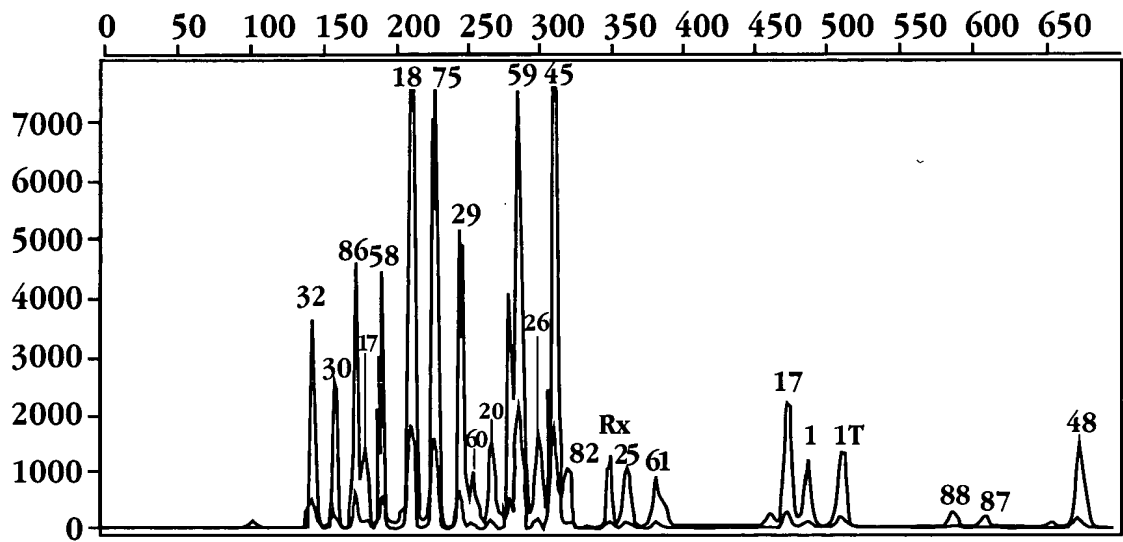


Fig. 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

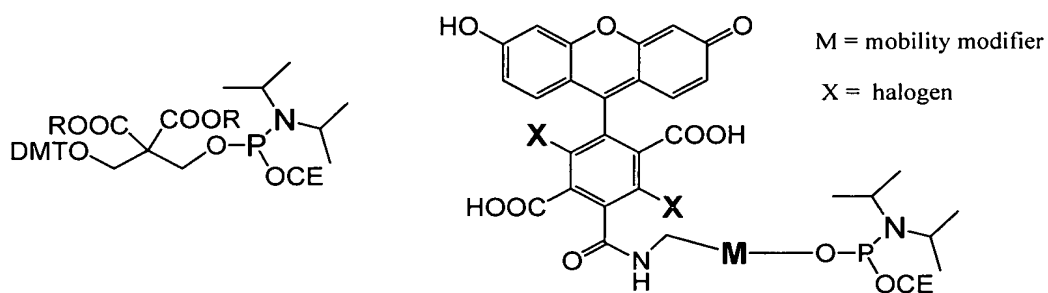


Fig. 9

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

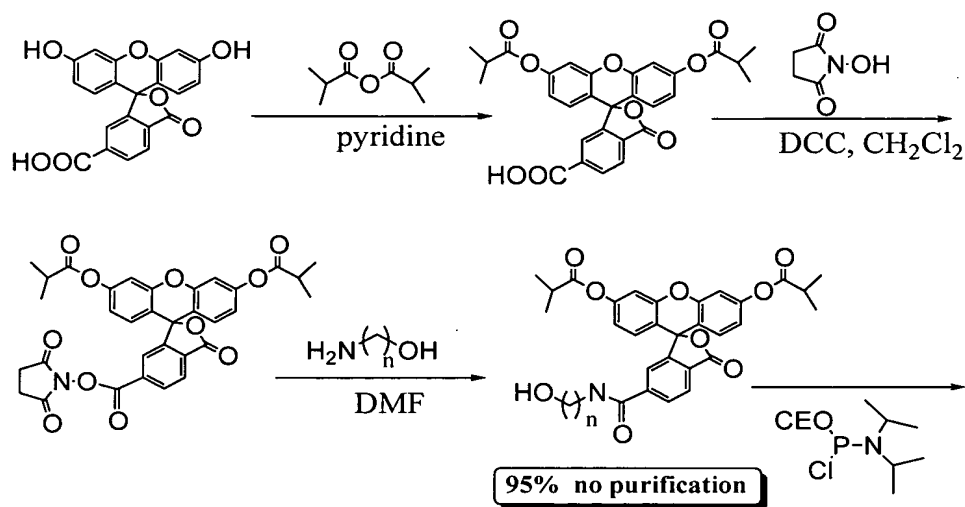


Fig. 11

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

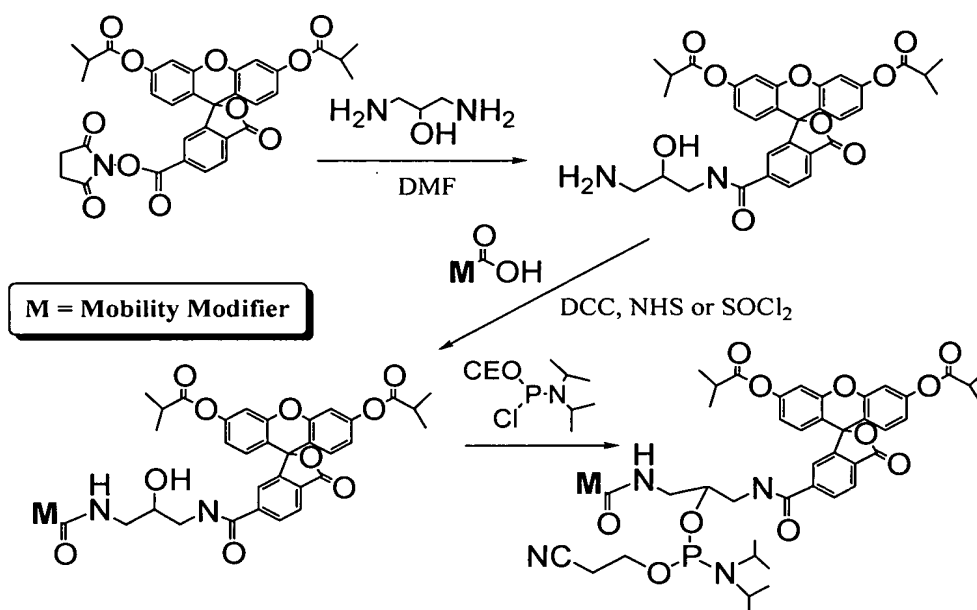


Fig. 12

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

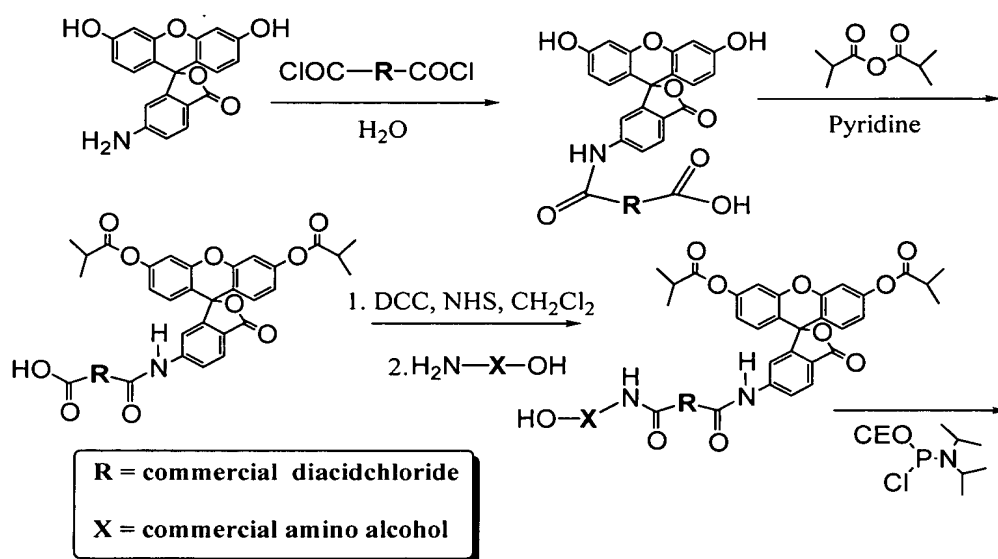


Fig. 13

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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Figure 14

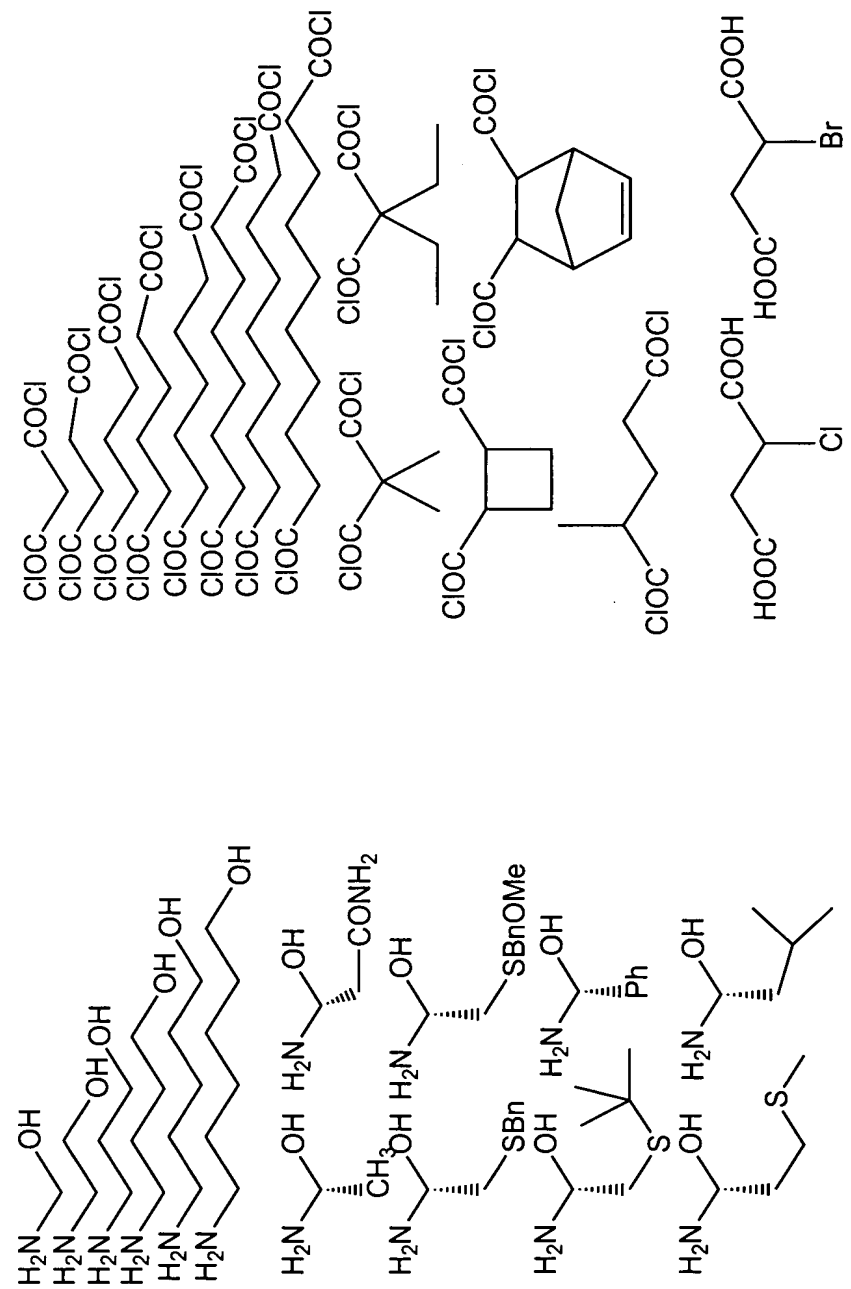


Fig. 14

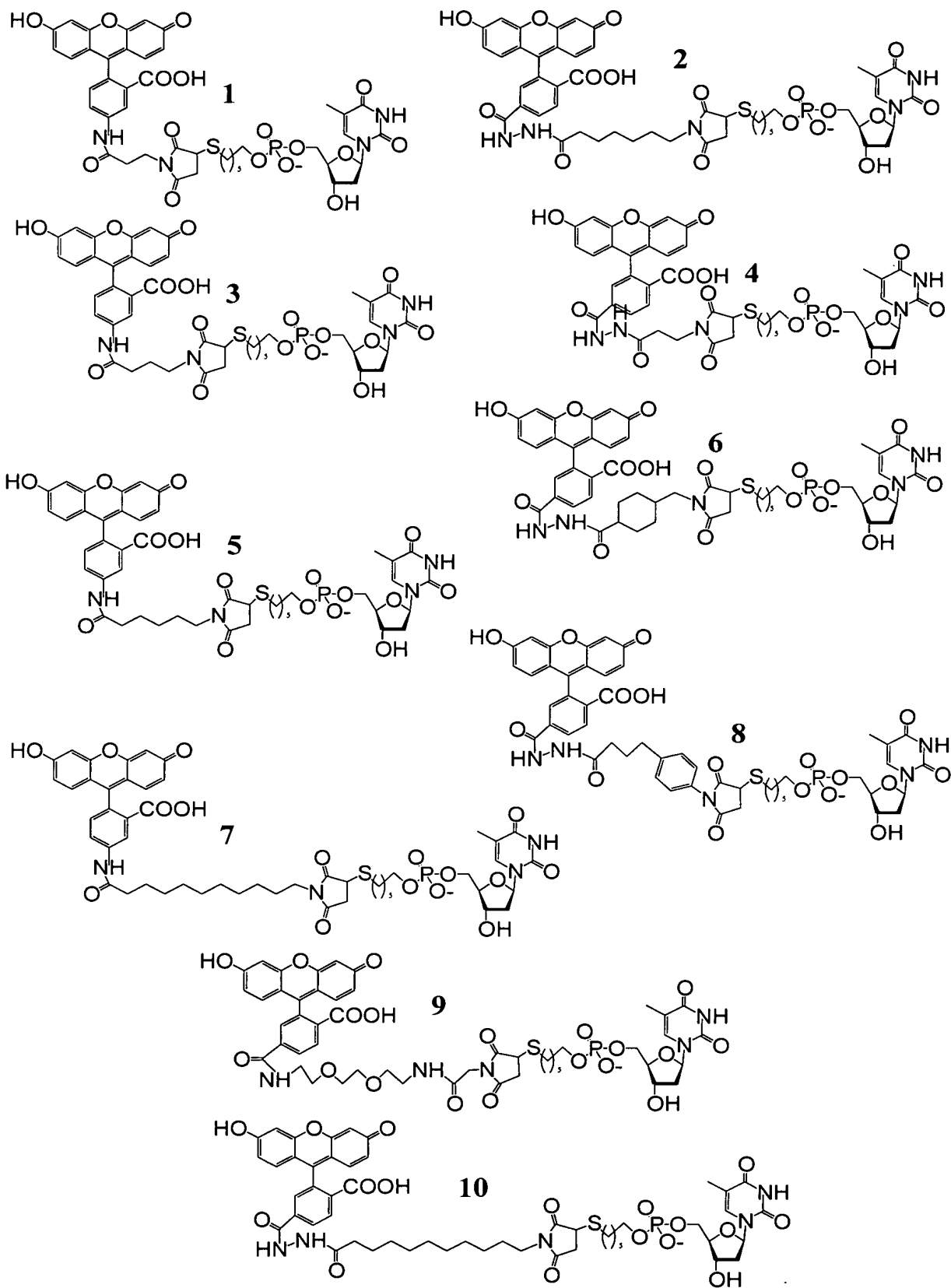


Fig. 15

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

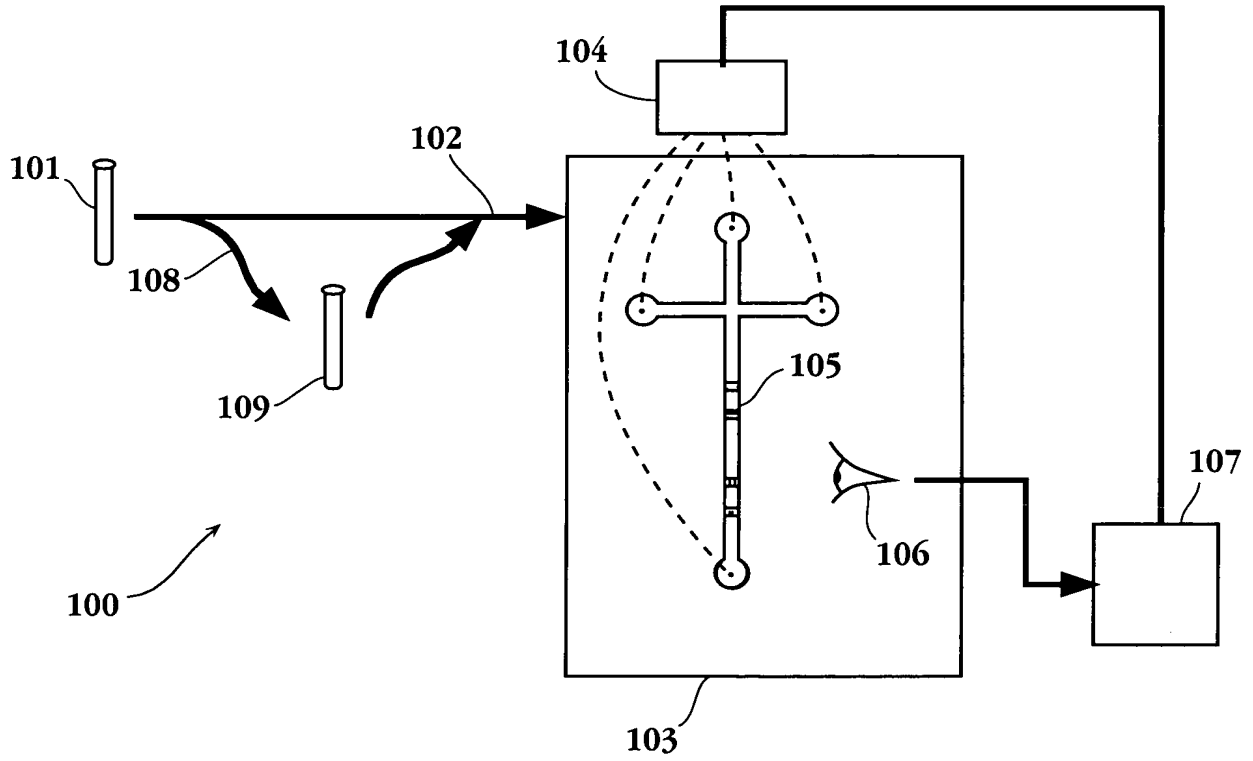
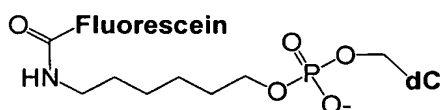


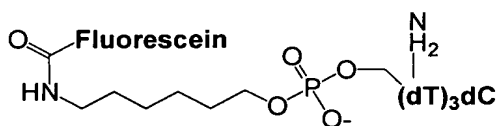
Fig. 16

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

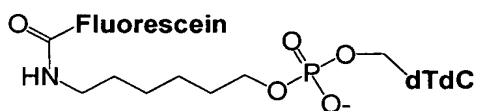
ACLA001



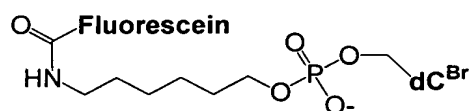
ACLA007



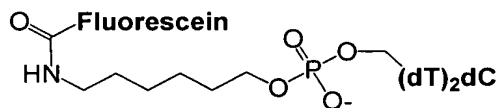
ACLA002



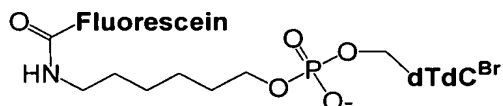
ACLA008



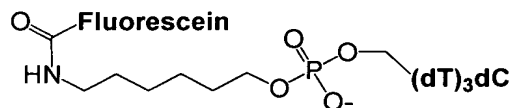
ACLA003



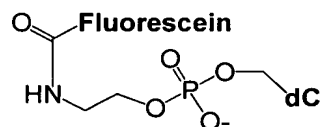
ACLA009



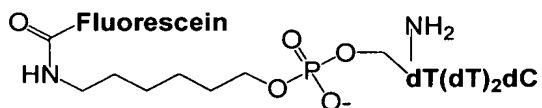
ACLA004



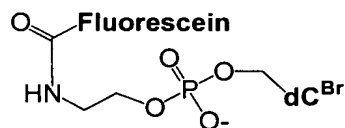
ACLA010



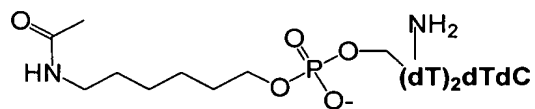
ACLA005



ACLA011



ACLA006



ACLA012

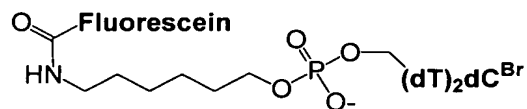


Fig. 17A

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

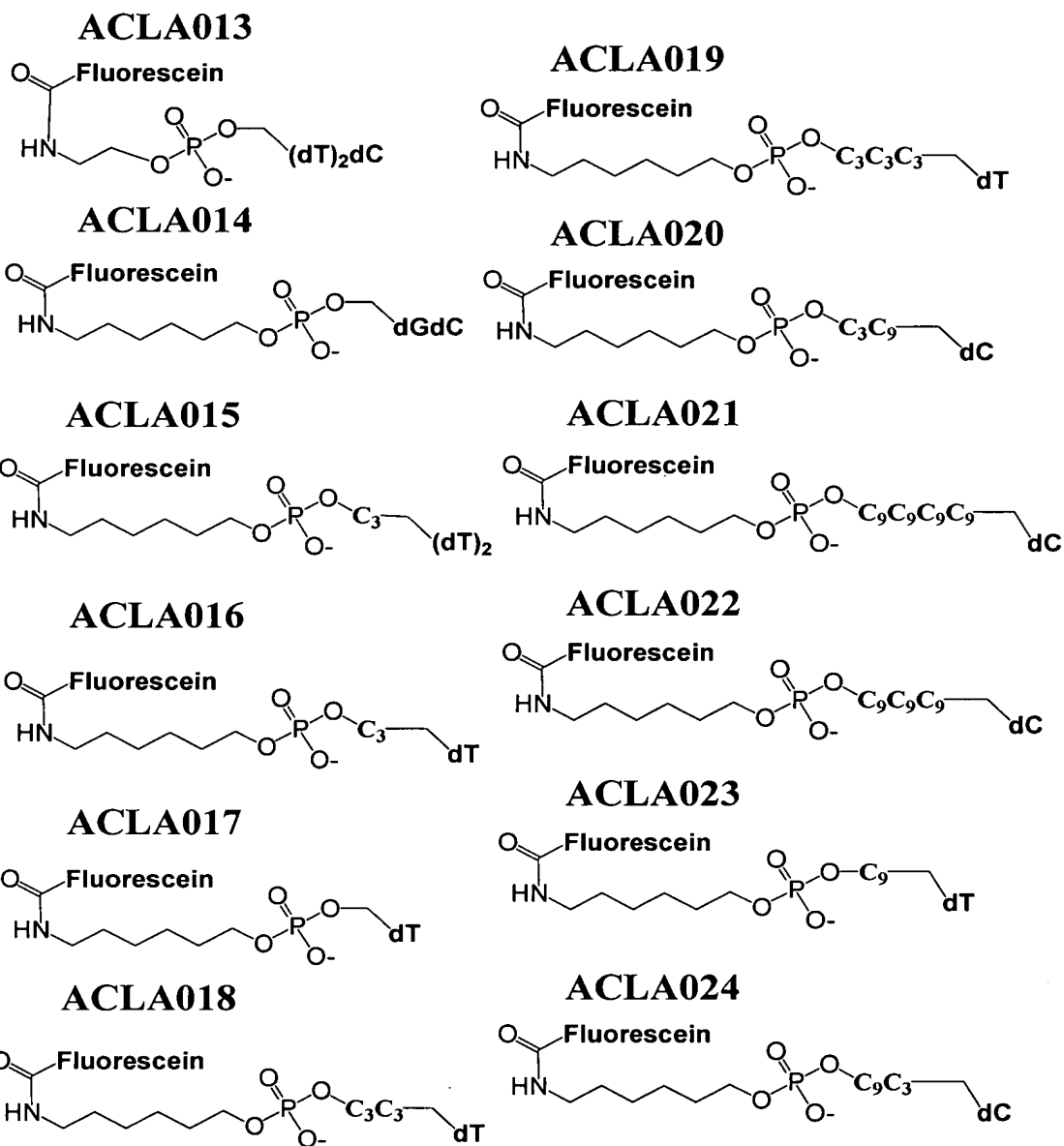


Fig. 17B

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

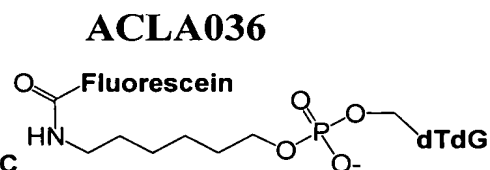
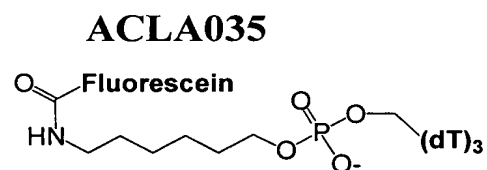
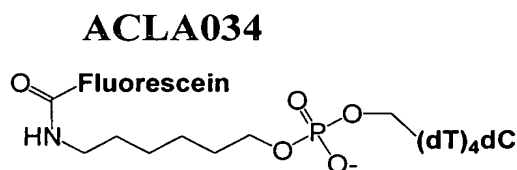
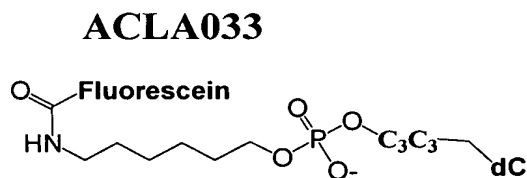
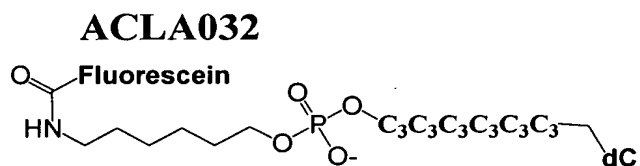
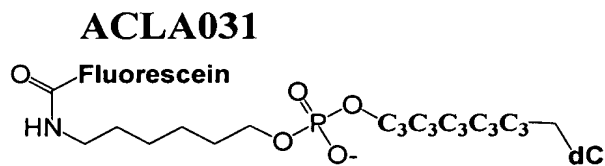
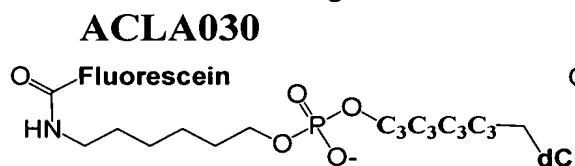
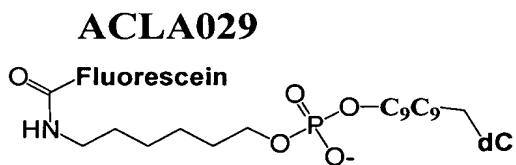
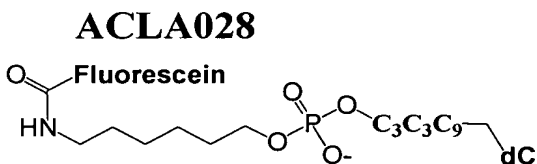
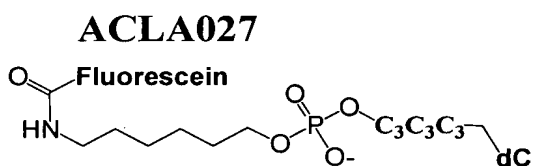
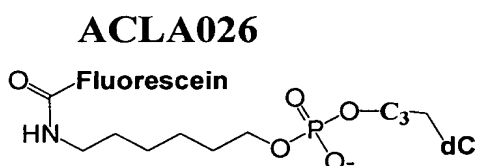
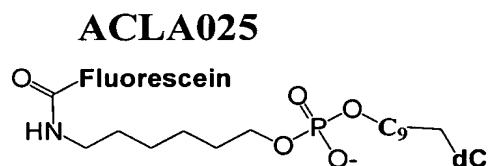
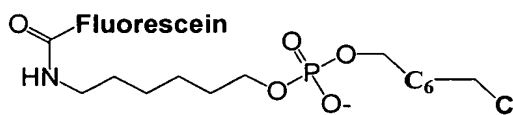


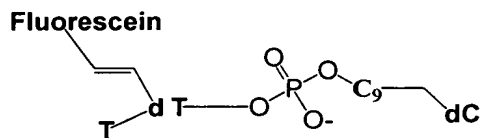
Fig. 17C

APPROVED	O. G. FIG.
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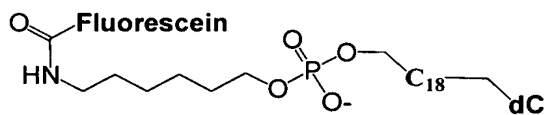
ACLA037



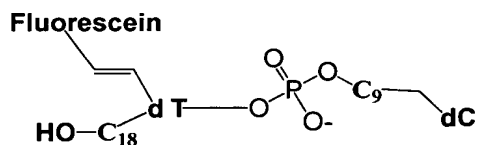
ACLA043



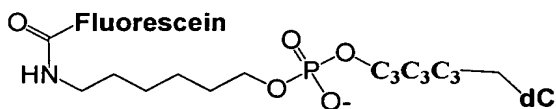
ACLA038



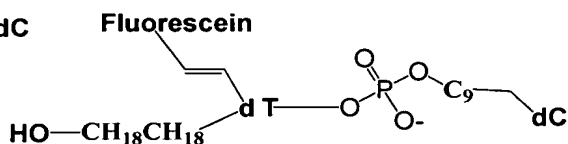
ACLA044



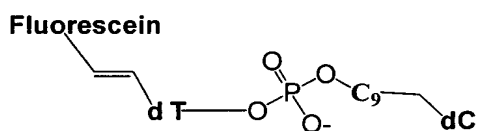
ACLA039



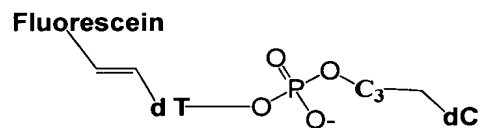
ACLA045



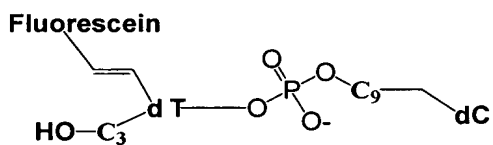
ACLA040



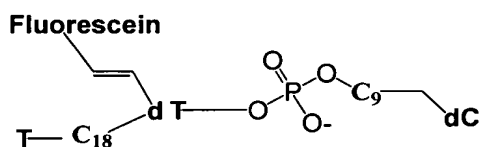
ACLA046



ACLA041



ACLA047



ACLA042

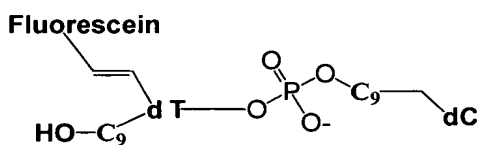


Fig. 17D

APPROVED	O.G. FIG.	
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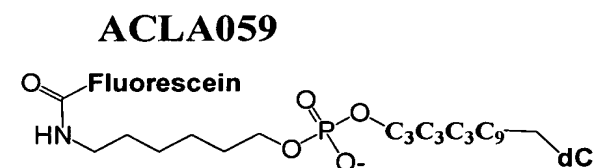
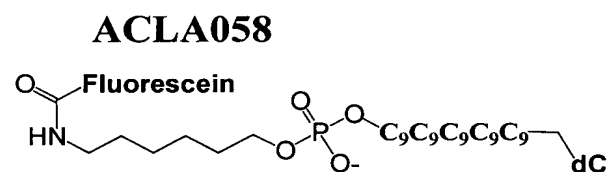
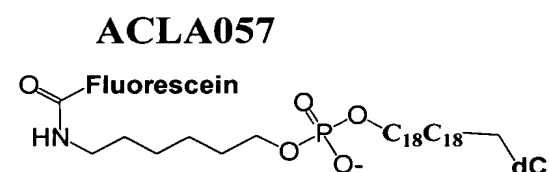
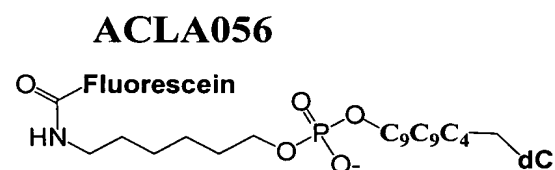
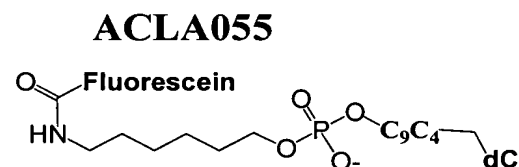
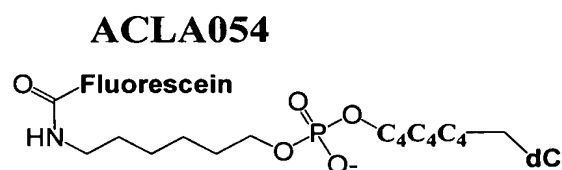
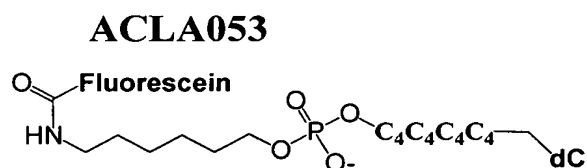
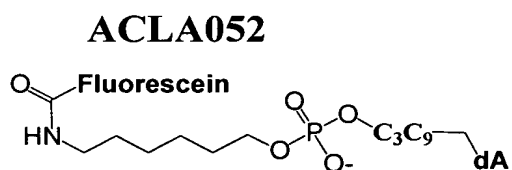
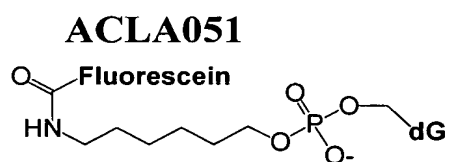
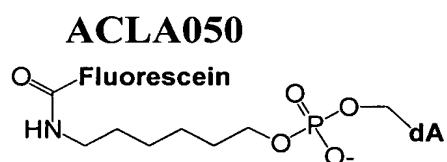
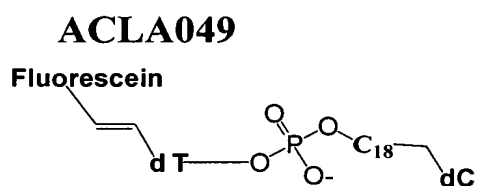
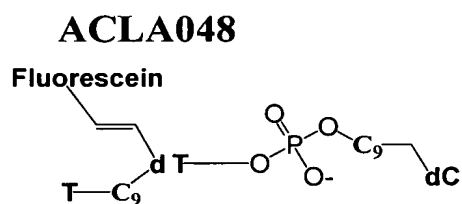
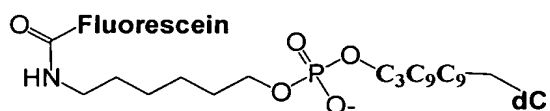


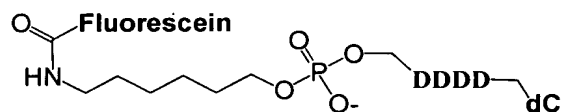
Fig. 17E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

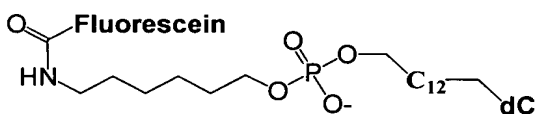
ACLA060



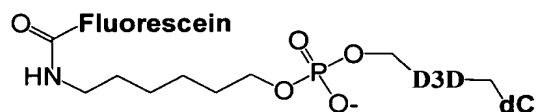
ACLA065



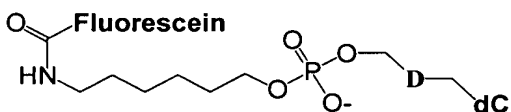
ACLA061



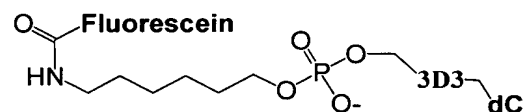
ACLA066



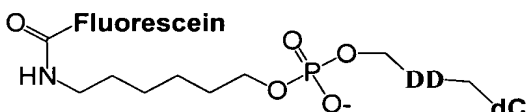
ACLA062



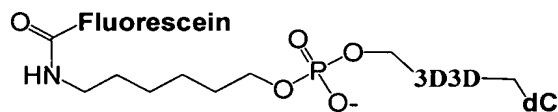
ACLA067



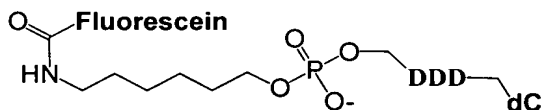
ACLA063



ACLA068



ACLA064



ACLA069

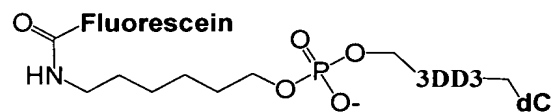


Fig. 17F

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

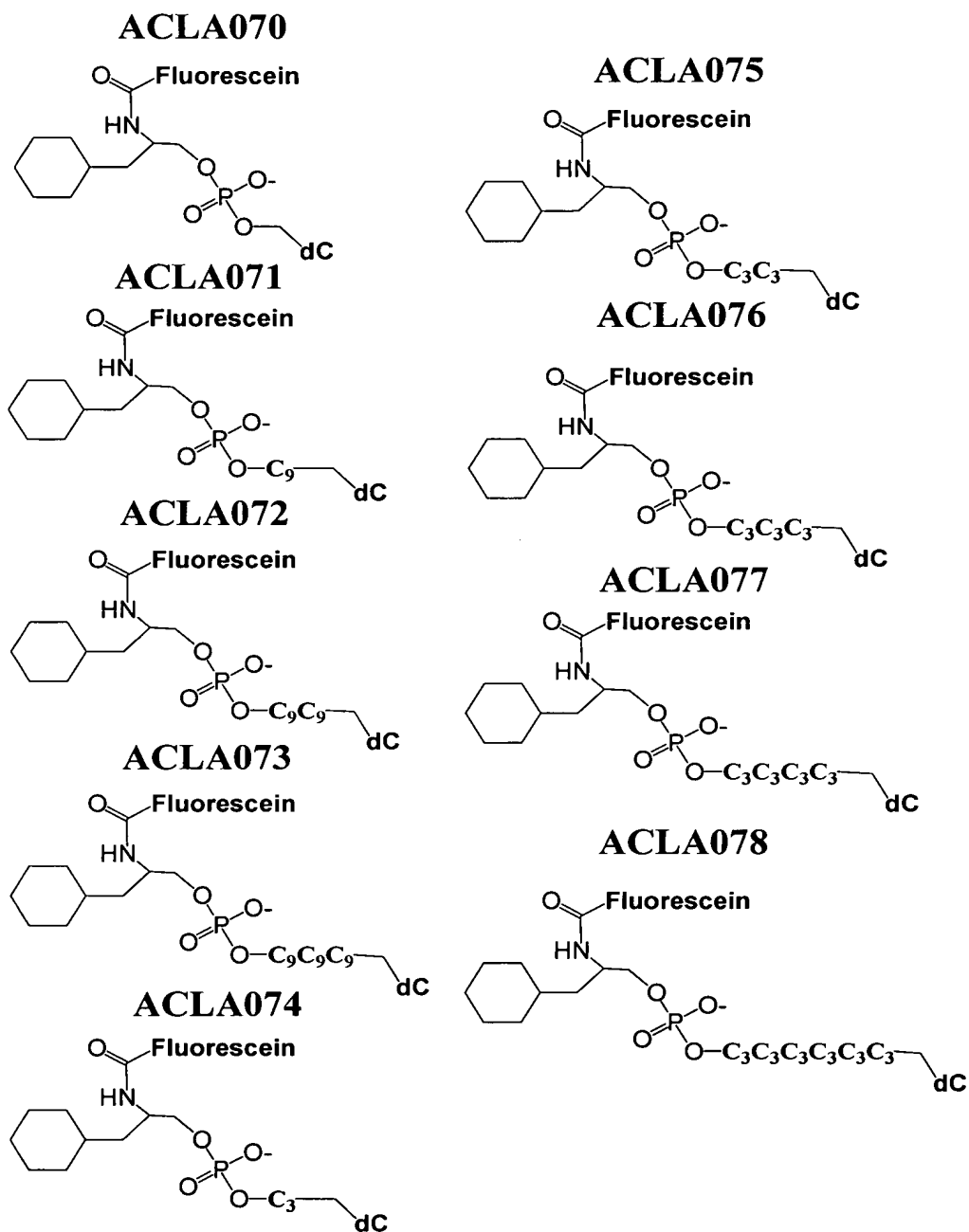
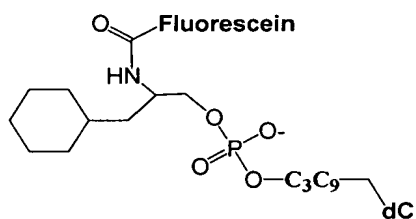


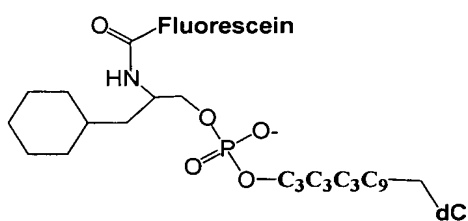
Fig. 17G

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

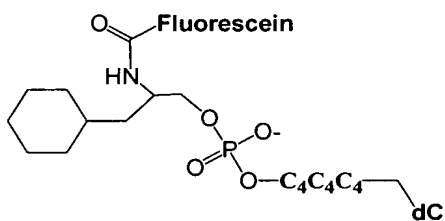
ACLA079



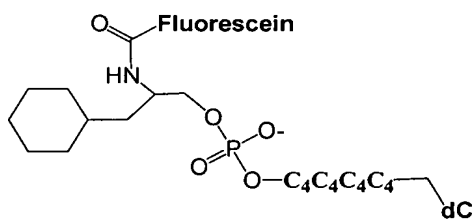
ACLA080



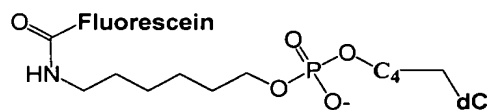
ACLA081



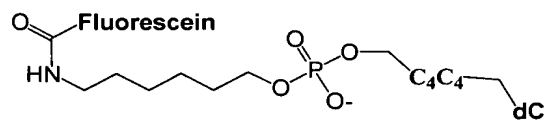
ACLA082



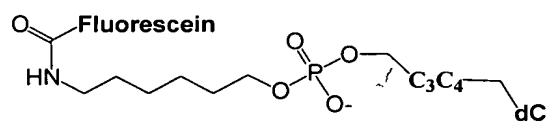
ACLA083



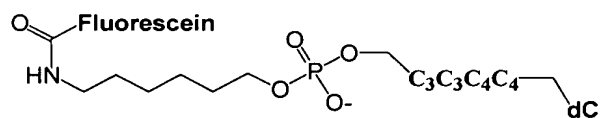
ACLA084



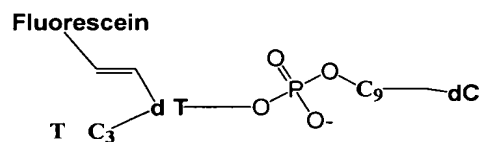
ACLA085



ACLA086



ACLA087



ACLA088

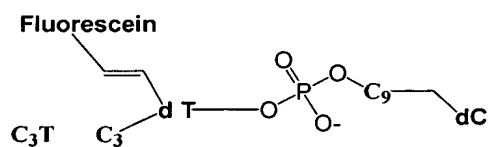
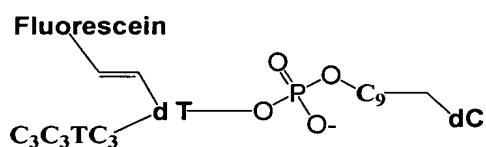


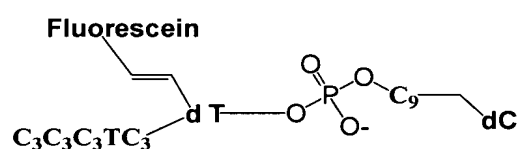
Fig. 17H

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

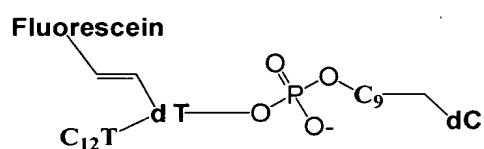
ACLA089



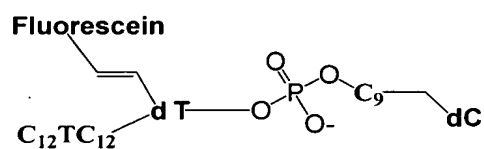
ACLA090



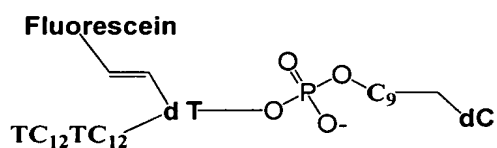
ACLA091



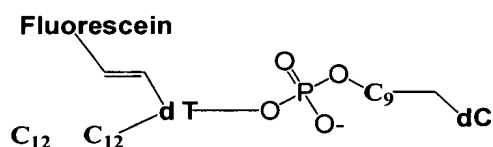
ACLA092



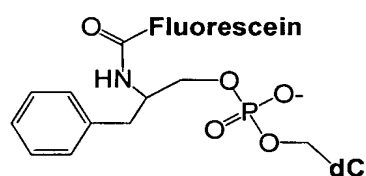
ACLA093



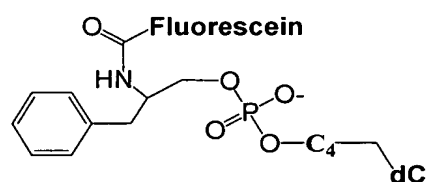
ACLA094



ACLA095



ACLA096



ACLA097

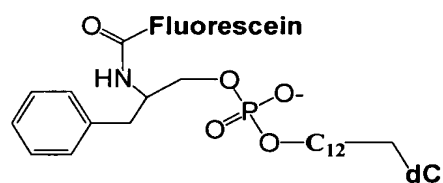


Fig. 17I

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

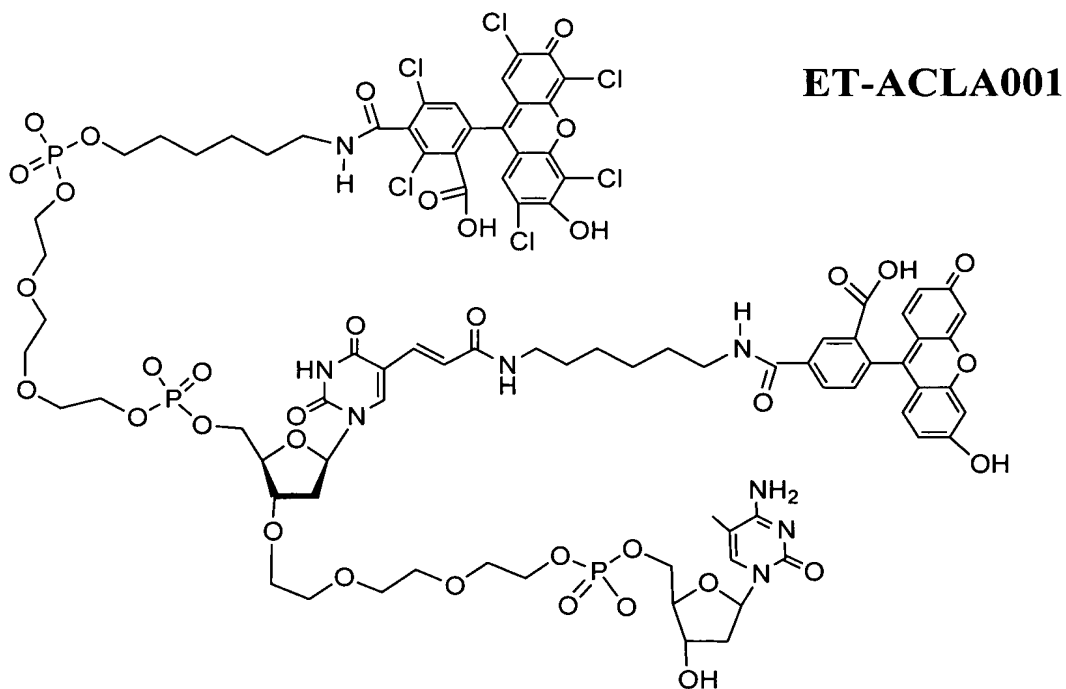


Fig. 17J

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

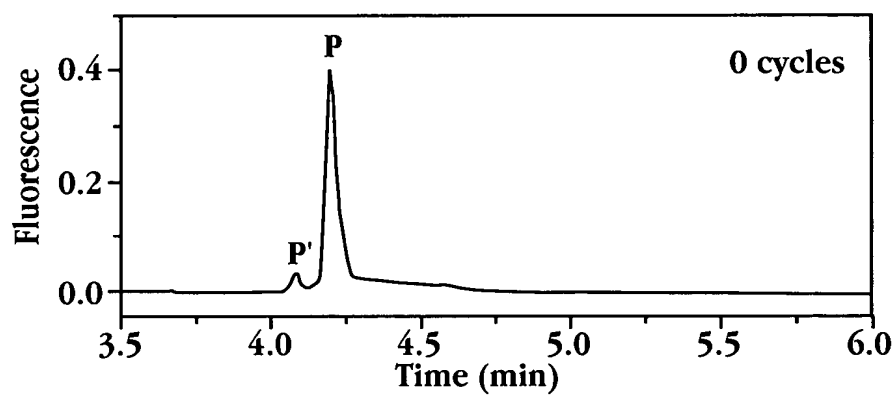


Fig. 19A

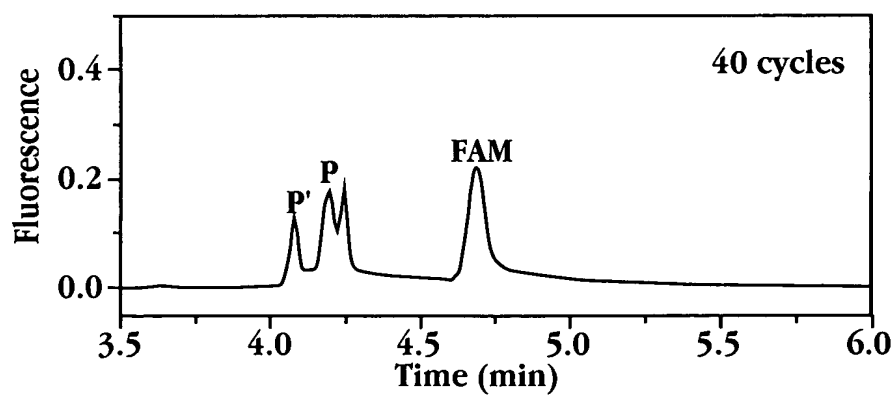


Fig. 19B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

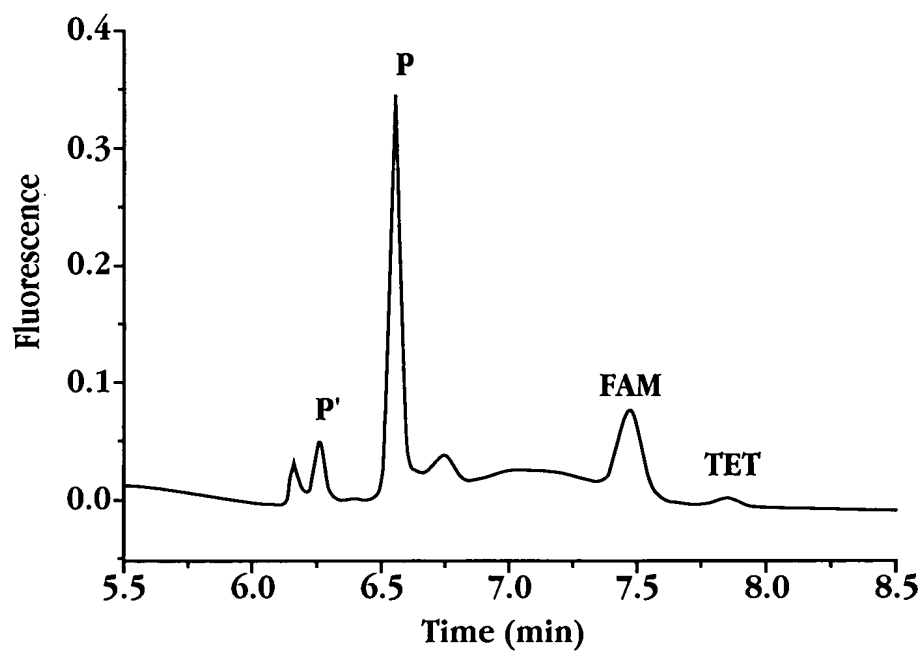


Fig. 20

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

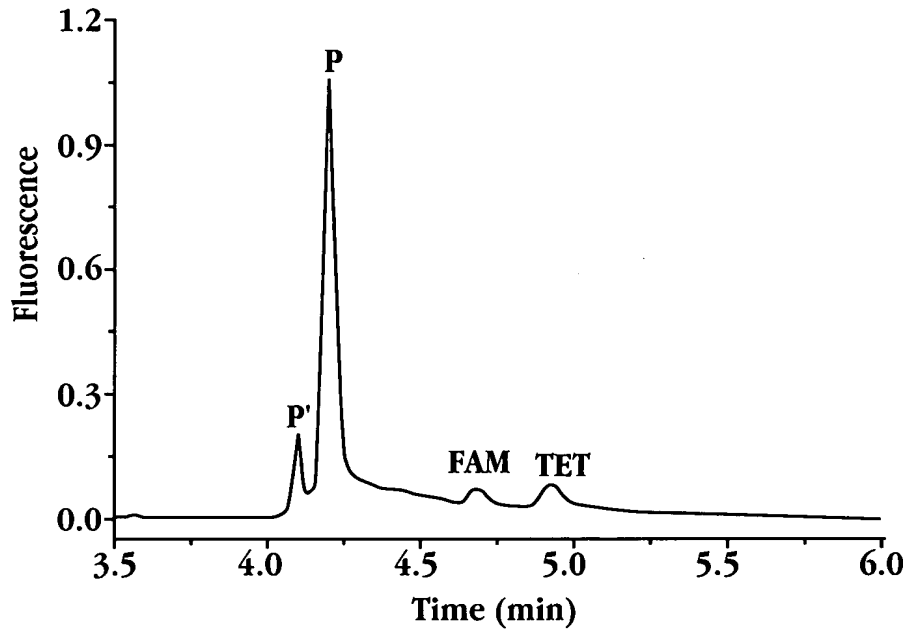


Fig. 21

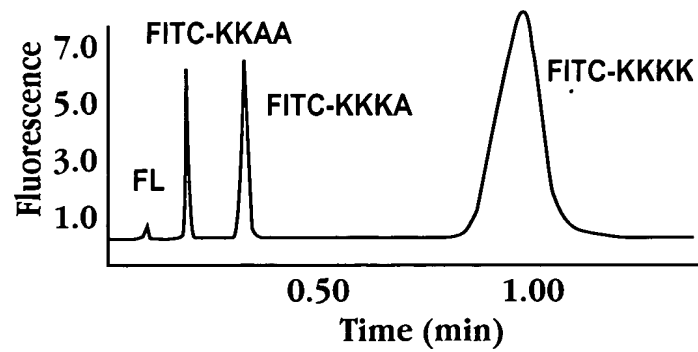


Fig. 22

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

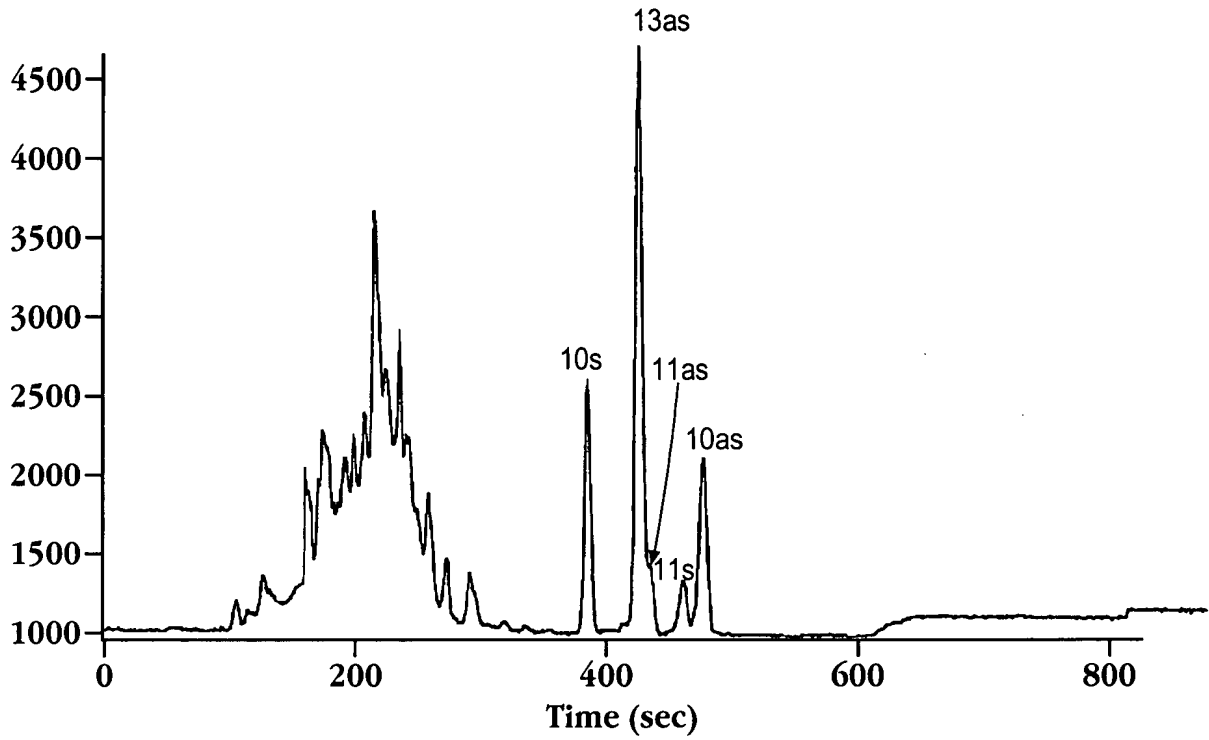


Fig. 23A

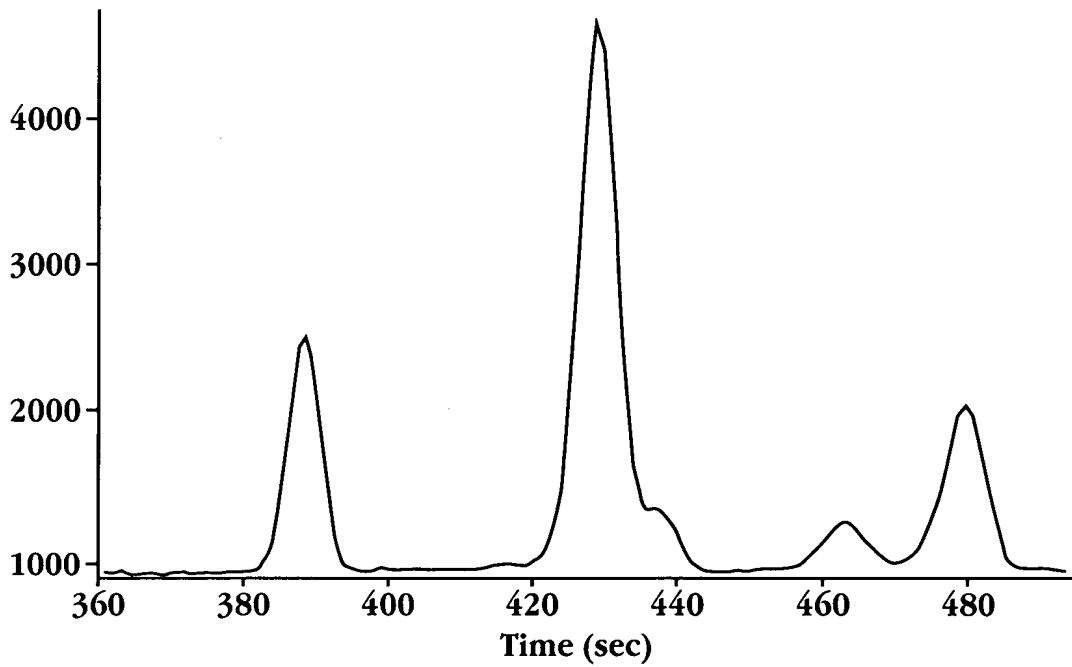


Fig. 23B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

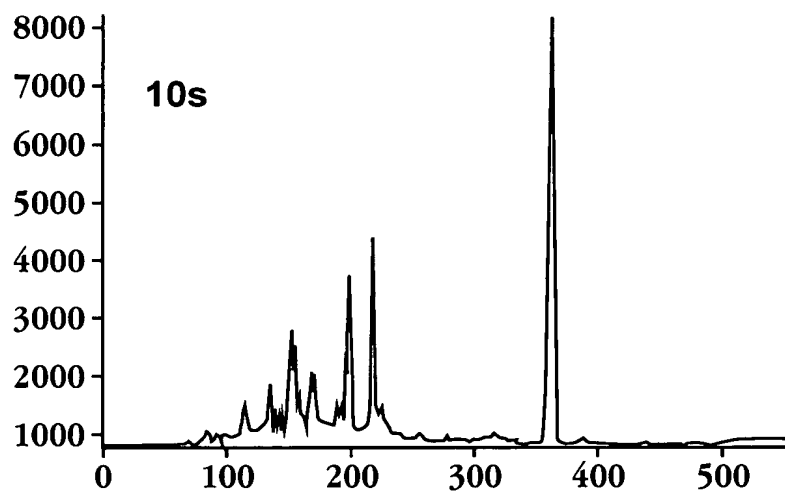


Fig. 23C

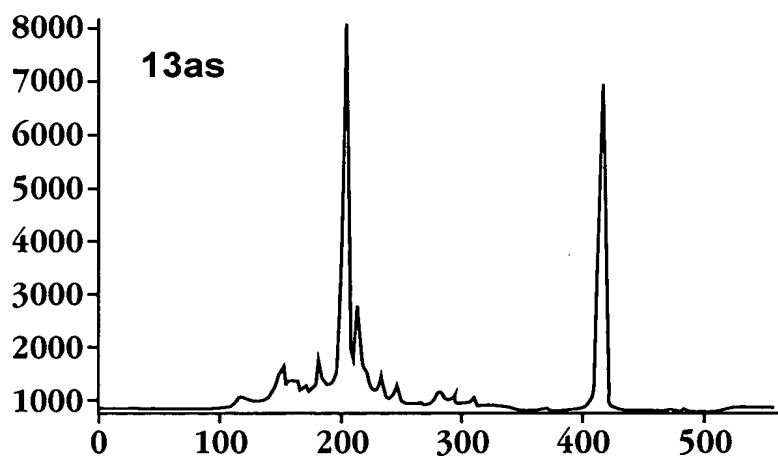


Fig. 23D

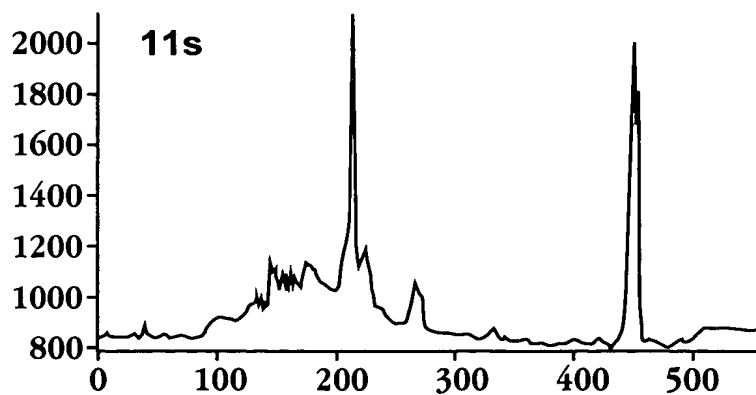


Fig. 23E

FIG. 23C, 23D, 23E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

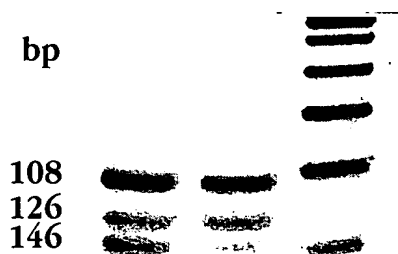


Fig. 23F

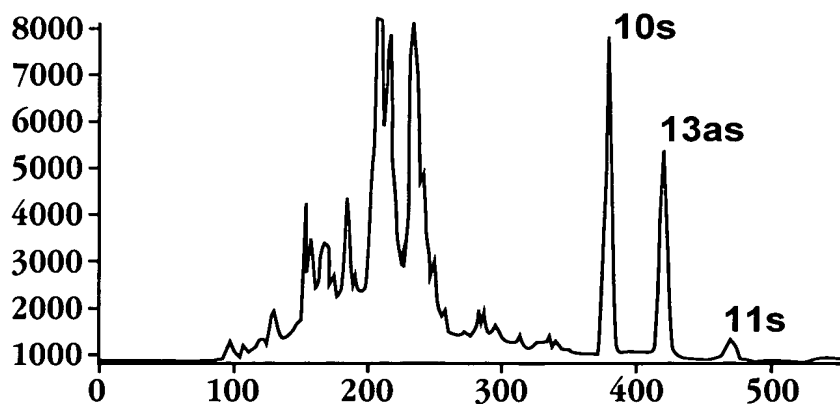


Fig. 23G

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

11-11-66 "SUN" 50000000

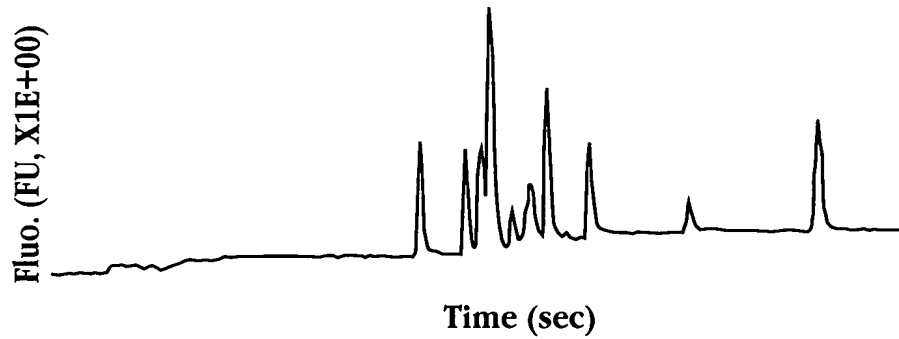


Fig. 24

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

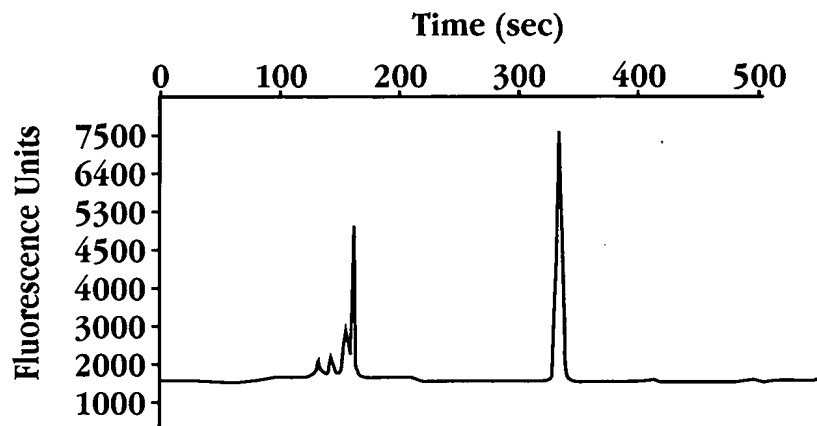


Fig. 25A

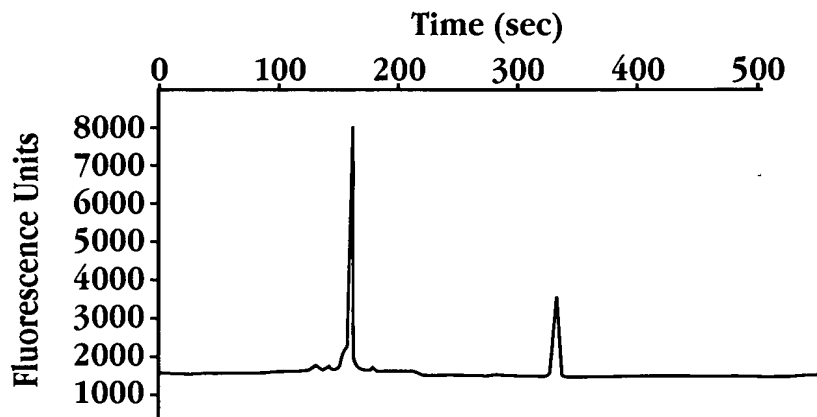


Fig. 25B

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

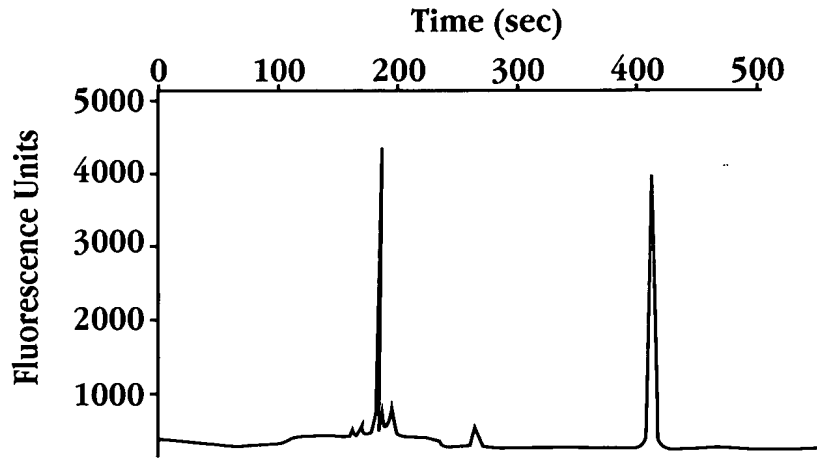


Fig. 25C

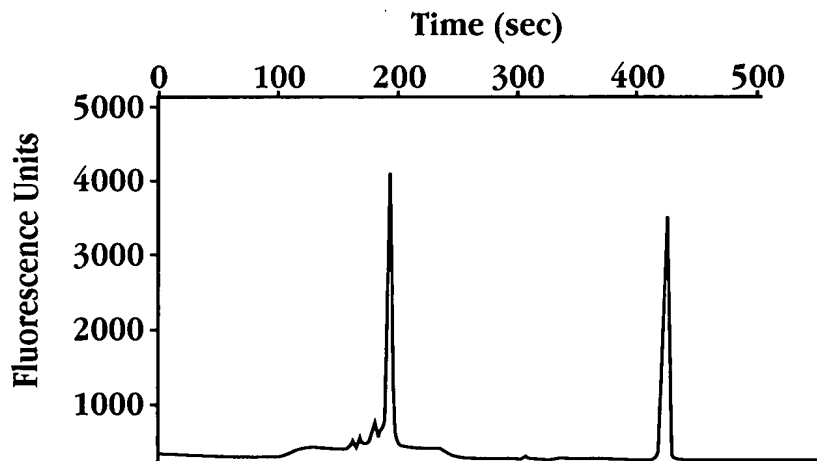


Fig. 25D

"SECRET" 5044560

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

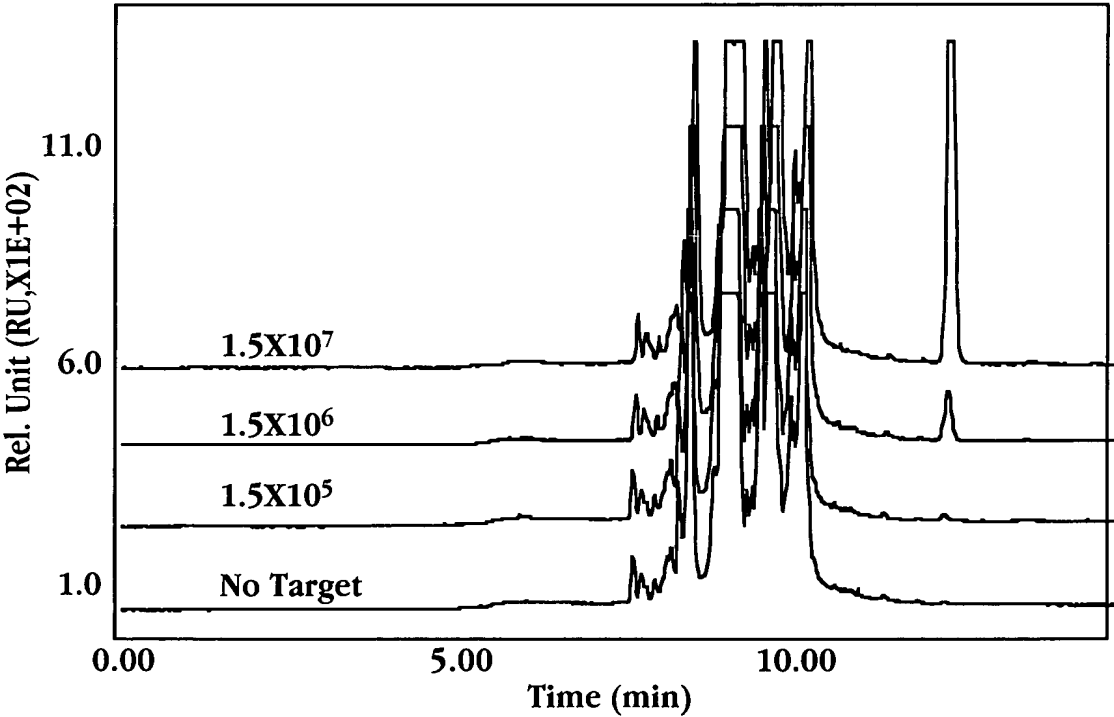


Fig. 26

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

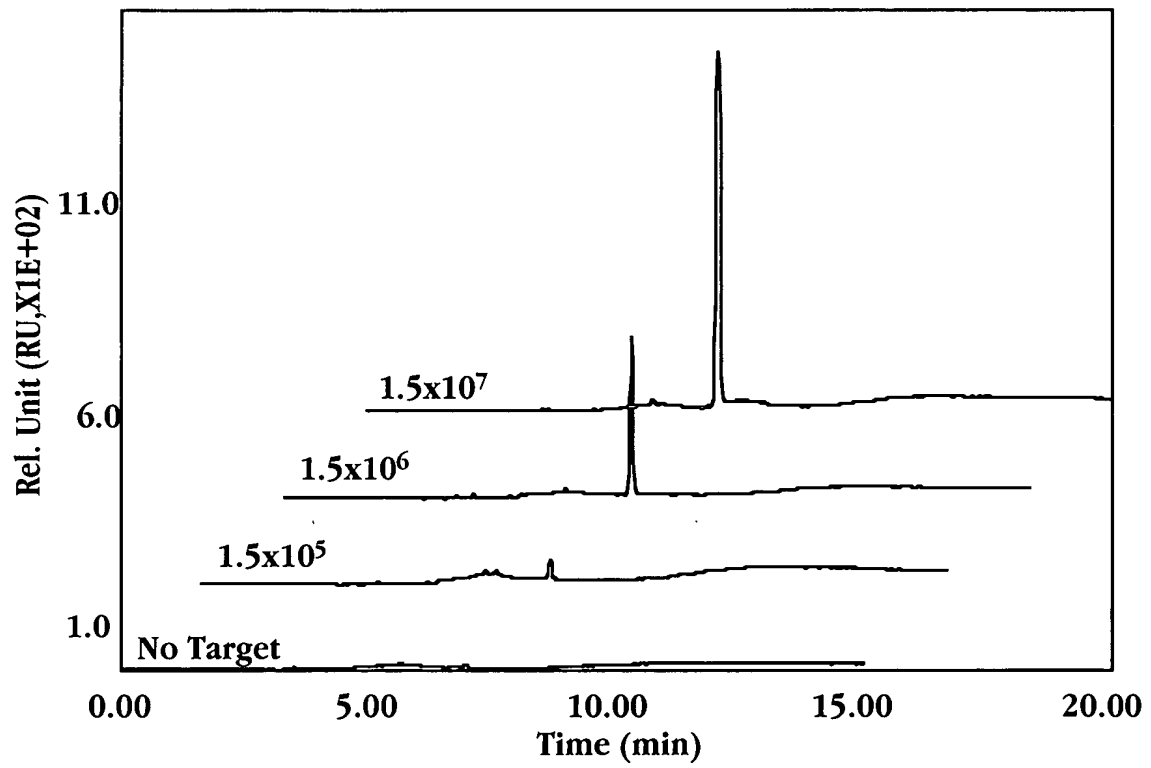


Fig. 27

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

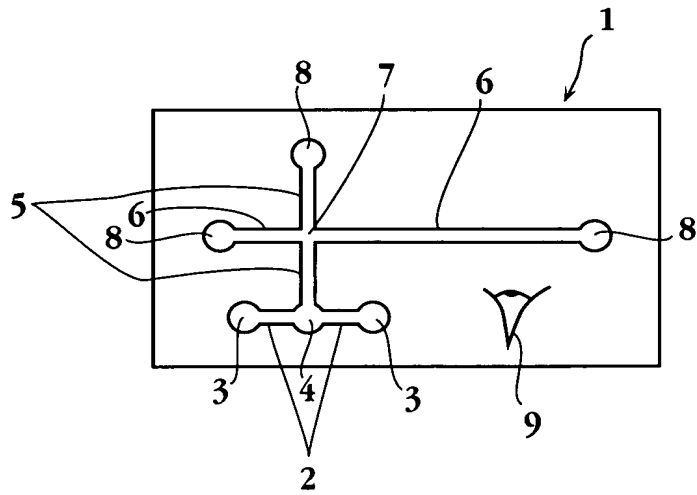


Fig. 28A

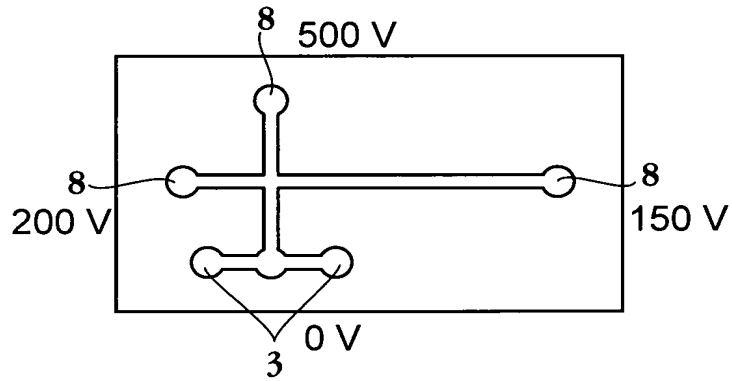


Fig. 28B

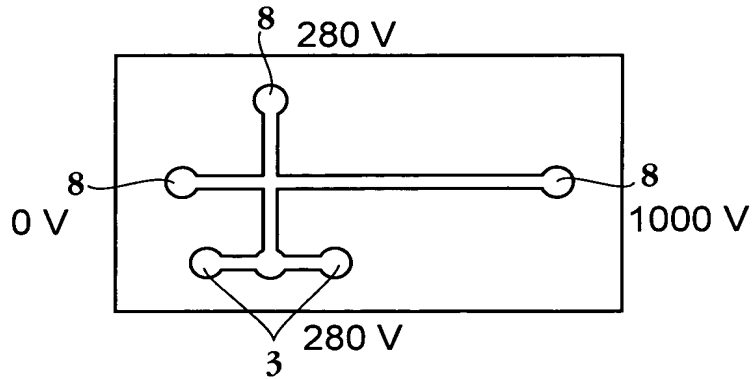


Fig. 28C

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

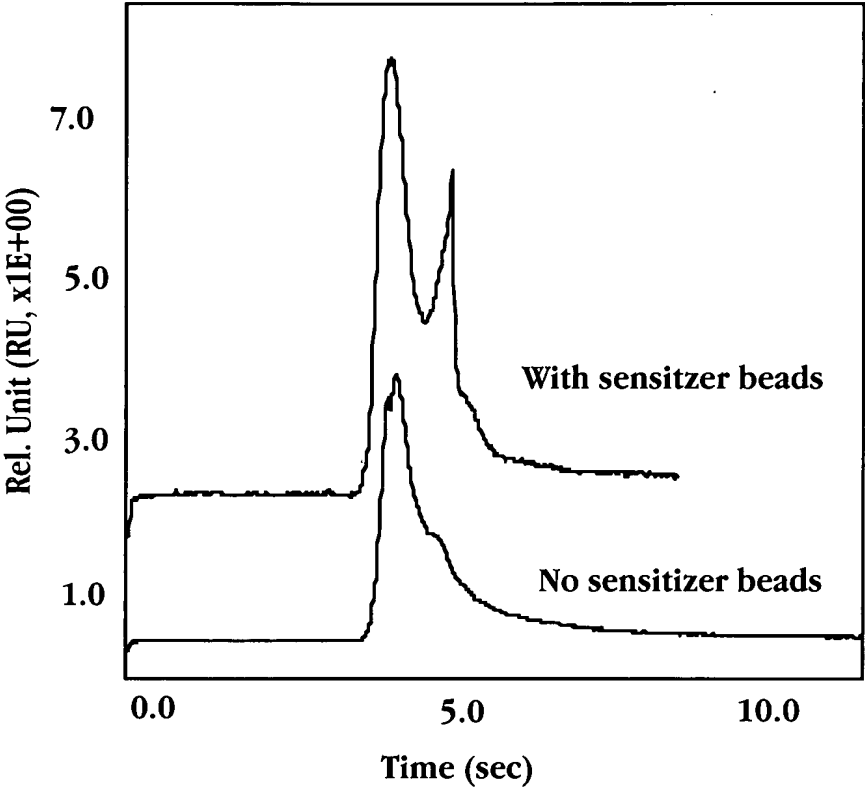


Fig. 29

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

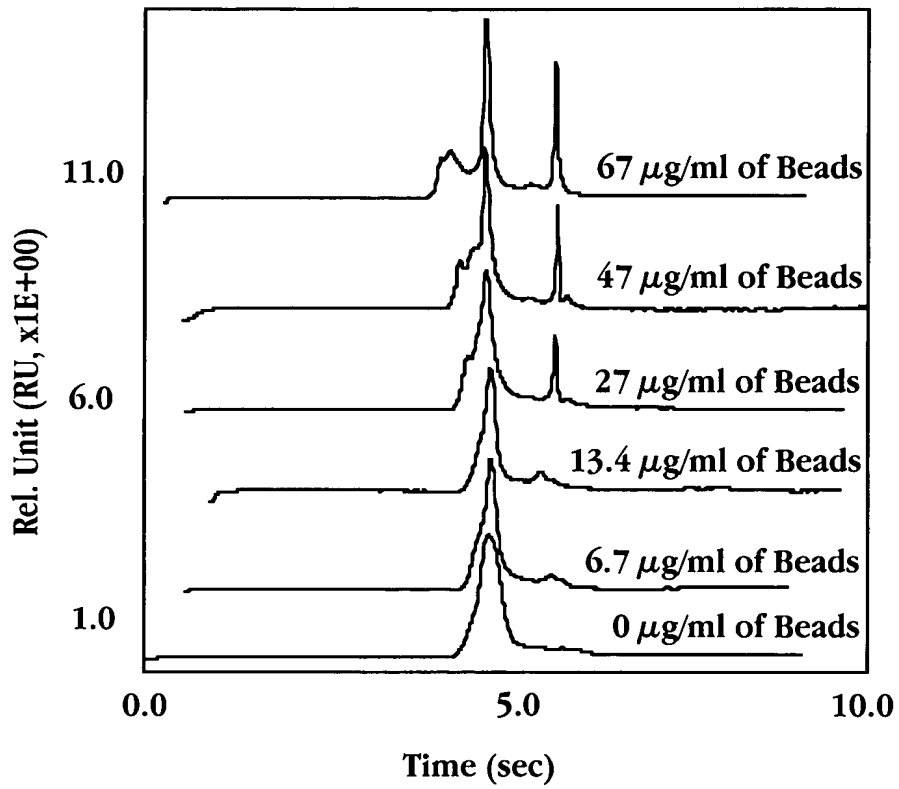


Fig. 30

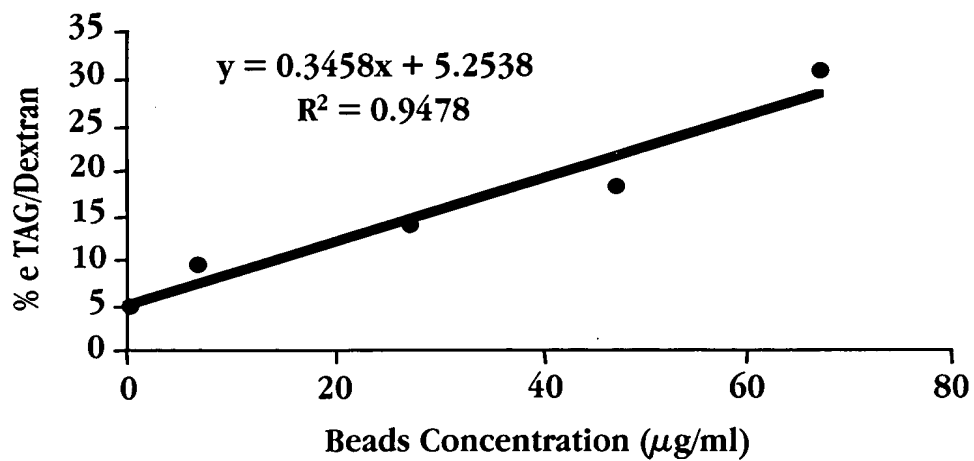


Fig. 31

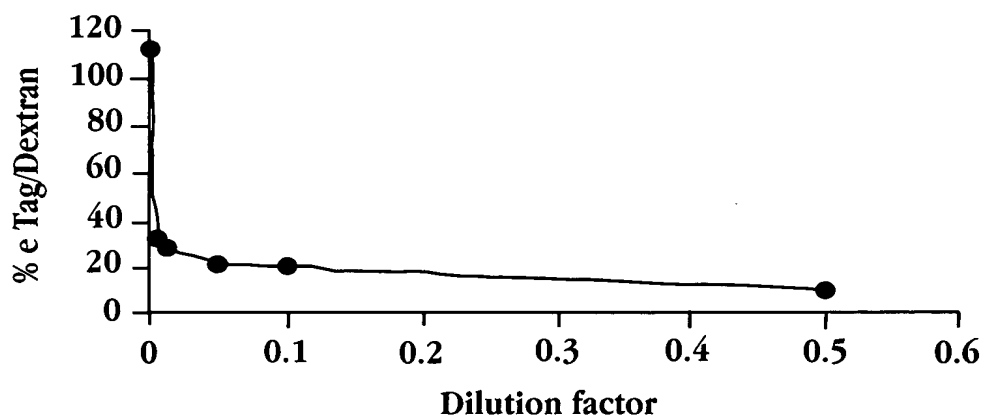


Fig. 32

